CLAIMS

[Claim1] A system lubricating oil composition for a crosshead-type diesel engine comprising:

a mineral base oil and/or a synthetic base oil;

(A) (a-1) a star polymer having a vinyl aromatic hydrocarbon structure in the molecule and/or (a-2) an ethylene-α-olefin copolymer or a hydrogenated compound thereof,

and having a base number of 4 to 20 mgKOH/g and a 100°C kinematic viscosity of 7.5 to 15.0 mm^2/s.

[Claim 2] The system lubricating oil composition for a crosshead-type diesel engine according to claim 1 wherein Component (a-1) is a compound having a structure wherein the polymer or copolymer of a diene extends radially from the core of the vinyl aromatic hydrocarbon located in the center of the molecule.

[Claim 3] The system lubricating oil composition for a crosshead-type diesel engine according to claim 1 or 2 wherein the vinyl aromatic hydrocarbon is divinylbenzene.

[Claim 4] The system lubricating oil composition for a crosshead-type diesel engine according to any one of claims 1 to 3 wherein the polymer or copolymer of

a diene is polyisoprene or an isoprene-styrene copolymer.

[Claim 5] The system lubricating oil composition for a crosshead-type diesel engine according to any one of claims 1 to 4 wherein Component (A) is contained in an amount of 2 to 15 percent by mass on the basis of the total mass of the composition.

[Claim 6] The system lubricating oil composition for a crosshead-type diesel engine according to any one of claims 1 to 5 further comprising at least one type selected from the group consisting of (B) metal detergents, (C) zinc dialkyldithiophosphates, (D) rust inhibitors and (E) ashless dispersants.

[Claim 7] The system lubricating oil composition for a crosshead-type diesel engine according to any one of claims 1 to 6 wherein the base oil has a 100°C kinematic viscosity of 3.5 to 9.3 mm^2/s.

CLAIMS

[Claim 1] A system lubricating oil composition for a crosshead-type diesel engine comprising:

a mineral base oil and/or a synthetic base oil;

(A) (a-1) a star polymer having a vinyl aromatic hydrocarbon structure in the molecule and/or (a-2) an ethylene-α-olefin copolymer or a hydrogenated compound thereof,

and having a base number of 4 to 20 mgKOH/g and a 100°C kinematic viscosity of 7.5 to 15.0 mm^2/s;

wherein Component (A) is contained in an amount of 2 to 15 percent by mass on the basis of the total mass of the composition.

[Claim 2] The system lubricating oil composition for a crosshead-type diesel engine according to claim 1 wherein Component (a-1) is a compound having a structure wherein the polymer or copolymer of a diene extends radially from the core of the vinyl aromatic hydrocarbon located in the center of the molecule.

[Claim 3] The system lubricating oil composition for a crosshead-type diesel engine according to claim 1 or 2 wherein the vinyl aromatic hydrocarbon is divinylbenzene.

[Claim 4] The system lubricating oil composition for a crosshead-type diesel engine according to any one of claims 1 to 3 wherein the polymer or copolymer of a diene is polyisoprene or an isoprene-styrene copolymer.

[Claim 5] The system lubricating oil composition for a crosshead-type diesel engine according to any one of claims 1 to 4 further comprising at least one type selected from the group consisting of (B) metal detergents, (C) zinc dialkyldithiophosphates, (D) rust inhibitors and (E) ashless dispersants.

[Claim 6] The system lubricating oil composition for a crosshead-type diesel engine according to any one of claims 1 to 5 wherein the base oil has a 100°C kinematic viscosity of 3.5 to 9.3 mm^2/s.